CLMPTO – NP – 03/17/04

Listing of Claims:

1. (cancelled)

2. (cancelled)

3. (cancelled)

4. (cancelled)

5. (cancelled)

6. (cancelled)

7. (currently amended) A computer-implemented method of [displaying two] arranging a plurality of views of [an object]a three-dimensional model, the method comprising:

   displaying the plurality of views on a computer screen in an arrangement wherein the arrangement represents a computer-aided design drawing layout;

   selecting a first [one of the]view from the plurality of views;

   selecting a second [one of the]view from the plurality of views; and

   automatically moving at least one of the first view and the second view[s so that] to position the first view and the second view[is] in closer proximity to [the second view]one another thereby creating a new arrangement representing a new layout.

8. (currently amended) A method, according to claim 7, [wherein, if the first view is a projection of the second view, moving at least one of the views includes snapping the views into alignment] further comprising automatically aligning the first view and the second view in accordance with a conventional drafting standard by snapping at least one of the first view and the second view into a position as prescribed by the conventional drafting standard.

9. (currently amended) A method, according to claim 8, wherein aligning the first view and the second view[s includes using]utilizes at least one transformation [matrices] matrix [associated with]for at least one [each]of the first view and the second view[s].

10. (currently amended) A method, according to claim 9, wherein the transformation [matrices] matrix for one of the first view and the second view[correlate] performs a mapping between relative coordinates [of each of the views with]and an absolute coordinate system.

11. (currently amended) A method, according to claim 7, wherein selecting one of the first view and [selecting] the second view [includes locating]comprises positioning a cursor [arrow]on the one of the views being selected and clicking a mouse button.

12. (currently amended) A method, according to claim 7, wherein selecting the first view [and selecting the second view includes] comprises dragging the first view to a new location and dropping [at least one of]the first view[s] [into closer proximity with the other one of the views]at the new location.

13. (cancelled)

14. (cancelled)

15. (cancelled)

16. (cancelled)

17. (cancelled)

18. (cancelled)

19. (cancelled)

20. (cancelled)

21. (cancelled)

22. (cancelled)

23. (cancelled)

24. (cancelled)

25. (cancelled)

26. (cancelled)

27. (cancelled)

28. (cancelled)

29. (New) A computer-implemented method of rearranging at least one of a plurality of views of
    a three-dimensional model, the method comprising:
    displaying the plurality of views of the three-dimensional model on a computer screen in an
        arrangement that represents a computer-aided design drawing layout;
    selecting a first view from the plurality of views;
    selecting a second view from the plurality of views; and
    automatically creating a new drawing layout by displaying the first view and the second view
        together in proximity to one another, wherein one of the first view and the second view
        occupies a new location on the computer screen.

30. (New) A method, according to claim 29, further comprising hiding unselected views.

31. (New) A method, according to claim 29, wherein selecting the first view comprises positioning a cursor over the first view and clicking a mouse button.

32. (New) A method, according to claim 29, wherein selecting the first view comprises dragging the first view to the new location and dropping the first view at the new location.

33. (New) A method, according to claim 29, wherein selecting the second view comprises dragging the second view to the new location and dropping the second view at the new location.

34. (New) A method, according to claim 29, further comprising automatically aligning the first view and the second view in accordance with a drafting standard by snapping at least one of the first view and the second view into a position as prescribed by the drafting standard.

35. (New) A method, according to claim 34 wherein the drafting standard is one of an ANSI standard and an ISO standard.

36. (New) A method, according to claim 8 wherein the drafting standard is one of an ANSI standard and an ISO standard.

37. (New) A method, according to claim 7 wherein unselected views are hidden.